

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREW BRISTOL	09/04/2015
MICHAEL KALEKO	09/04/2015
RECEIVING PARTY DATA	
Name:	SYNTHETIC BIOLOGICS, INC.
Street Address:	9605 MEDICAL CENTER DRIVE
Internal Address:	SUITE 270
City:	ROCKVILLE
State/Country:	MARYLAND
Postal Code:	20850
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17314583
CORRESPONDENCE DATA	
Fax Number:	(202)739-3001
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	202-739-3000
Email:	patents@morganlewis.com, amanda.mcintyre@morganlewis.com
Correspondent Name:	MORGAN, LEWIS, & BOCKIUS LLP (B0)
Address Line 1:	1111 PENNSYLVANIA AVENUE, NW​
Address Line 4:	WASHINGTON, D.C. 20004-2541
ATTORNEY DOCKET NUMBER:	SYN-005C1/112492-5005
NAME OF SUBMITTER:	SARA SIMS
SIGNATURE:	/Sara Sims/
DATE SIGNED:	07/16/2021
Total Attachments: 3	
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PATENT APPLICATION
Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, inventors:

ANDREW BRISTOL

MICHAEL KALEKO

hereinafter referred to as "Assignors"

have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled "E. COLI-BASED PRODUCTION OF BETA-LACTAMASE," which is an International Patent Application bearing Application No. PCT/US15/47187 and filed on August 27, 2015;

Do hereby sell, assign and transfer to Synthetic Biologics, Inc., a corporation having a place of business at 155 Gibbs Street, Suite 412, Rockville, MD 20850, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree(s) that Synthetic Biologics, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has

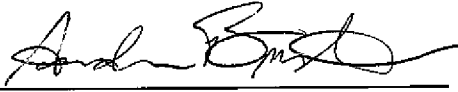
been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP

Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

IN THE TESTIMONY WHEREOF we have hereunto set our signatures on the dates indicated below.



Andrew Bristol

Date: 04-Sept-2015

United States of America)
State of) ss.:
County of)

On this _____ day of _____, _____, before me personally came _____, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public



Michael Kaleko

Date: 04 Sept. 2015

United States of America)
State of) ss.:
County of)

On this _____ day of _____, _____, before me personally came
_____, to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

Notary Public